

CB- DWT (2X)(3X)(4X) UL/CUL ADHESIVE LINED HEAT SHRINKABLE TUBING

CB-DWT(2X)(3X)(4X) is 2:1, 3:1 and 4:1, UL/CUL rated, adhesive-lined, flexible, halogen-free and flame-retardant polyolefin heat shrinkable tubing which is ROHS compliant and meets Sony’s environment related substance requirements. This tubing has good mechanical strength and provides protection from fluids, moisture and corrosion. CB-DWT is used in a wide variety of electrical applications, including back end connector sealing, breakouts, and connector-to-cable transitions. High expansion ratio makes it possible to repair most damaged cable jackets without removing connectors.



Certificate: UL, CUL, F-mark, Sony Green Partner

SPECIFICATIONS

Specifications of DWT(2X), DWT(3X) and DWT(4X):

Item	Specifications	
Shrink Temperature(C)	110°C	
Operating Temperature Range(C)	-55°C—125°C	
Tensile Strength (Mpa)	≥10.4	
Elongation at break (%)	≥200	
Radial shrinking ratio (%)	≥50	
Longitudinal Change (%)	≤10	
Aging in Circulating-air Oven	158.0±1.0°C, 168hrs	
After Aging	Tensile Strength (Mpa)	≥7.3
	Elongation at break(%)	≥100
Dielectric Strength at 1min, AC2500V	No breakdown	
Volume Resistance (Ω cm)	≥10 ¹³	
Flammability	VW-1	
Water Absorption (%)	Less than 0.4%	
Fluid Resistance	Excellent	
(Copper Corrosion)	(No Corrosion)	
Softening Point of Meltable Liner (°C)	120±5	
Peel Strength of Meltable Liner (N/25mm)	>80	

SIZE OF DWT (2X)

Size(Inch)	As Supplied		After Recovery		
	Min ID (inches)	Nominal Wall (inches)	Max ID (inches)	Total Wall (inches)	Nominal Adhesive Wall(inches)
1/16	.0625	.0118	.03125	.0177±.0047	.0078
3/32	.09375	.01378	.046875	.02165±.0047	.0118
1/8	.125	.01575	.0625	.02362±.006	.0118
3/16	.1875	.01575	.09375	.02953±.006	.01378
1/4	.25	.01575	.125	.02953±.006	.01378
3/8	.375	.01575	.1875	.0315±.0079	.01378
1/2	.5	.01575	.25	.0315±.0079	.01378
3/4	.75	.01969	.375	.0374±.0110	.01578
1	1	.01969	.5	.04528±.0110	.0177
1-1/2	1.5	.0256	.75	.04921±.0161	.0177

SIZE OF DWT (3X)

Size (Inch)	As Supplied		After Recovery		
	Min ID (inches)	Nominal Wall (inches)	Max ID (inches)	Total Wall (inches)	Nominal Adhesive Wall (inches)
1/8	.125	.01575	.04167	.03346±.011	.01378
3/16	.1875	.01575	.0625	.04134±.011	.01772
1/4	.25	.0177	.08333	.04331±.011	.01772
3/8	.375	.0236	.125	.05709±.011	.01772
1/2	.5	.0236	.1667	.05906±.0145	.01772
3/4	.75	.0295	.25	.07874±.0217	.02559
1	1	.0295	.3333	.07874±.0217	.02559
1 1/4	1.25	.0315	.4167	.08661±.0217	.02953
1 1/2	1.5	.03346	.5	.10±.0217	.03937
2	2	.03937	.6667	.10±.0217	.03937

SIZE OF DWT (4X)

Size (mm)	As Supplied (Expanded)		After Recovery (Recovered)	
	Min ID(mm)	Max ID(mm)	Total Wall (mm)	Nominal Adhesive Wall (mm)
4/1	4	1	1.10±0.3	0.50
8/2	8	2	1.10±0.3	0.50
12/3	12	3	1.40±0.3	0.61
16/4	16	4	1.8±0.3	0.76
24/6	24	6	2.25±0.55	0.76
32/8	32	8	2.54±0.55	1.02
52/13	52	13	2.60±0.55	1.02